

WHAT IS CLAIMED IS:

1. A vehicle headlamp comprising:
one light source;

5 a first light distribution-forming reflecting surface forming a first light distribution shape irradiating a diagonally rising portion of the light distribution on the road side in a spot form by the light from the light source, and consisting of double reflecting surfaces, that is, a
10 primary reflecting surface which is an elliptic type, and a secondary reflecting surface which is a parabolic type;

 a second light distribution-forming reflecting surface forming a second light distribution shape irradiating a horizontally wide range below the horizontal line by the light
15 from the light source, and consisting of double reflecting surfaces, that is, a primary reflecting surface which is an elliptic type, and a secondary reflecting surface which is a parabolic type; and

 a third light distribution-forming reflecting surface
20 forming a third light distribution shape irradiating a relatively narrow range horizontally below the horizontal line by the light from the light source,

 wherein at least one of the first light distribution-forming reflecting surface to the third light distribution-forming reflecting surface is rotatable in the horizontal
25 direction.

2. The vehicle headlamp according to claim 1, wherein the turn of the first light distribution-forming reflecting
30 surface to the third light distribution-forming reflecting surface is such that the at least one is the second light distribution-forming reflecting surface, and is linked with the operation of a steering unit.

3. The vehicle headlamp according to claims 1 or 2, wherein the third light distribution-forming reflecting surface is also linked with the operation of the steering unit.

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4. The vehicle headlamp according to claim 1, wherein the turn of the first light distribution-forming reflecting surface to the third light distribution-forming reflecting surface is such that all of the first light distribution-forming reflecting surface to the third light distribution-forming reflecting surface is linked with the operation of the steering unit, and the turn of the first light distribution-forming reflecting surface is conducted only at the driving time of the vehicle, the turn of the second light distribution-forming reflecting surface is conducted at the driving and standing time of the vehicle, and the turn of the third light distribution-forming reflecting surface is conducted, synchronized with the turn of the first light distribution-forming reflecting surface or the second light distribution-forming reflecting surface.

5. The vehicle headlamp according to claim 2, wherein the turn of the second light distribution-forming reflecting surface is conducted at the time of stopping the vehicle or driving speed of the vehicle is low.

6. The vehicle headlamp according to claim 2, wherein the turn of the first light distribution-forming reflecting surface is conducted at the time of driving the vehicle or driving speed of the vehicle more faster than driving speed of the vehicle which turns the second light distribution-forming reflecting surface.

7. The vehicle headlamp according to claim 4, wherein

the turn of the third light distribution-forming reflecting surface is also conducted at the time of driving and stopping the vehicle.

5 8. The vehicle headlamp according to claim 4, wherein the turn of the third light distribution-forming reflecting surface is conducted only at the driving time of the vehicle.

10 9. The vehicle headlamp according to any one of claims 1 to 6, wherein the turn of the first light distribution-forming reflecting surface to the third light distribution-forming reflecting surface is conducted by a corresponding light distribution-forming reflecting surface in the vehicle headlamp installed on the side of the turning direction to
15 which the steering unit in the vehicle body is operated.

20 10. The vehicle headlamp according to any one of claims 2 to 7, wherein selection of linkage or non-linkage with the operation of the steering unit, and selection of the linkage at the driving time or at the non-driving time, of at least one of the first light distribution-forming reflecting surface to the third light distribution-forming reflecting surface can be set at the time of delivering the vehicle to a user or can be set by the user.

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